

Claims

What is claimed is:

1. A dried paste composition comprising freeze-dried DBM particles and a carrier, wherein said carrier is gelatin, hyaluronic acid, polyethylene oxide, polyvinylpyrrolidone, polyvinyl alcohol, collagen or dextran, or combinations thereof.
1. 2. The dried paste composition of claim 1, wherein said carrier is also dried.
1. 3. The dried paste composition of claim 1, wherein said freeze-dried DBM particles are about 125 microns to about 850 microns in size.
1. 4. The dried paste composition of claim 3, wherein said freeze-dried DBM particles are about 250 microns to about 500 microns in size.
1. 5. The dried paste composition of claim 1, wherein said carrier is gelatin.
1. 6. The dried paste composition of claim 5, wherein said gelatin is in the form of granules having a size of about 125 microns to about 710 microns.
1. 7. The dried paste composition of claim 6, wherein said gelatin is in the form of granules having a size of about 500 microns to about 710 microns.
1. 8. The paste composition of claim 1, further comprising antibiotics; or sucrose, dextrose or other biologically compatible anti-caking agents; or combinations thereof.
1. 9. The paste composition of claim 1, further comprising barium, iodine, or other radioopaque substances, or combinations thereof.

1 17. A method of treating a bone defect or injury comprising reconstituting the
2 dried paste composition of claim 1 with a reconstitution fluid to form a paste
3 composition, wherein said reconstitution fluid is selected from the group
4 consisting of water, water-based salines, blood or fractions thereof, protein
5 solutions, gelatin solutions, growth factor solutions, antibiotic solutions,
6 analgesic solutions, platelet rich plasma, crude platelet extract, and
7 combinations thereof; and administering the paste composition to a site of
8 need.

1 18. The dried paste composition of claim 1, wherein said dried bone paste is
2 stored at room temperature for more than about 24 hours, and which is
3 reconstituted to form a reconstituted paste composition prior to administration,
4 whereby upon reconstitution said reconstituted paste composition is
5 osteogenic, chondrogenic, or chondroprotective, or a combination thereof.

1 19. A dried paste composition comprising freeze-dried DBM particles and a
2 carrier, wherein said carrier is gelatin, hyaluronic acid, chondroitin sulfate,
3 polyethylene oxide, polyvinylpyrrolidone, polyvinyl alcohol, collagen or
4 dextran, or combinations thereof, wherein said dried paste composition is
5 stored at room temperature for more than about 24 hours, and wherein said
6 dried paste composition is osteogenic, chondrogenic, or chondroprotective or
7 a combination thereof upon reconstitution.

1 20. A dried paste composition capable of being stored at room temperature and
2 upon reconstitution, possesses osteogenic, chondrogenic, or
3 chondroprotective properties, or a combination thereof. .